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SEQUENCE LISTING

## (1) GENERAL INFORMATION:

(i) APPLICANT: Jerry L. Nadler  
Rama Natarajan

5 (ii) TITLE OF INVENTION: Human Leukocyte 12-  
Lipoxygenase and Its Role in the  
Pathogenesis of Disease States

(iii) NUMBER OF SEQUENCES: 12

(iv) CORRESPONDENCE ADDRESS:

10 (A) ADDRESSEE: City of Hope  
(B) STREET: 1500 East Duarte Road  
(C) CITY: Duarte  
(D) STATE: California  
(E) COUNTRY: United States of America  
15 (F) ZIP: 91010-0269

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3M Double Density 5 1/4"  
diskette  
(B) COMPUTER: Wang PC  
20 (C) OPERATING SYSTEM: MS DOS Version 3.20  
(D) SOFTWARE: Wordperfect

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE: 04 May 1995  
25 (C) CLASSIFICATION: Unknown

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/US94/00089

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(B) FILING DATE: 4 January 1994

(C) APPLICATION NUMBER: 07/936,660

(D) FILING DATE: 28 August 1992

(viii) ATTORNEY/AGENT INFORMATION:

5 (A) NAME: Irons, Edward S.

(B) REGISTRATION NUMBER: 16,541

(C) REFERENCE/DOCKET NUMBER: None

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (202) 783-6040

10 (B) TELEFAX: (202) 783-6031

(C) TELEX: None

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23

15 (B) TYPE: Nucleotide

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

AACTCAAGGT GGAAC TACCG GAG

23

20 (2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24

(B) TYPE: Nucleotide

(C) STRANDEDNESS: Single

25 (D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

ATATAGTITG GCCCCAGCCA TATT

24

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

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(A) LENGTH: 20

(B) TYPE: Nucleotide

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

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(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 21

(B) TYPE: Nucleotide

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(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

TTCAGTGTAG ACGTGTCGGA G

21

(2) INFORMATION FOR SEQ ID NO: 5:

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(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25

(B) TYPE: Nucleotide

(C) STRANDEDNESS: Single

(D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

ATGTATGCCG GTGCTGGCTA TATTT 25

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 22  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

10 TCAGGATGCG GTCGCCCTCC AC 22

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- 15 (A) LENGTH: 21  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CCCATCACCA TCTTCCAGGA G 21

(2) INFORMATION FOR SEQ ID NO: 8:

20 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

GTTCTCATGG ATGACCTTGG C 21

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 21  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

10 CTAAGCAGTT GGTGGTGCAG G 21

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

- 15 (A) LENGTH: 21  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

GATGATCTAC CTCAAATAT G 21

(2) INFORMATION FOR SEQ ID NO: 11:

20 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

CTGGCCCCAG AAGATCTGAT C 21

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 22  
(B) TYPE: Nucleotide  
(C) STRANDEDNESS: Single  
(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

10 GTTTGAGGGC CATCTCCAGA GC 22

# SEQUENCE LISTING

<110> Nadler, Jerry L.  
Natarajan, Rama

<120> Human Leukocyte 12-Lipoxygenase and its Role in the  
Pathogenesis of Disease States

<130> 1954-363

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<150> US 08/945.744

<151> 1997-11-03

<150> PCT/US96/06328

<151> 1996-05-03

<150> US 08/434,681

<151> 1995-05-03

<150> PCT/US94/00089

<151> 1994-01-04

<150> US 07/936,660

<151> 1992-08-28

<160> 12

<170> PatentIn Ver. 2.1

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